



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification 6 : A61K 38/03, C07K 7/02, 7/04, 7/50, 7/64, 17/02, C12Q 1/70, G01N 33/53, 33/537, 33/551</p>	<p>A1</p>	<p>(11) International Publication Number: WO 97/46251 (43) International Publication Date: 11 December 1997 (11.12.97)</p>
<p>(21) International Application Number: PCT/US97/10075 (22) International Filing Date: 6 June 1997 (06.06.97) (30) Priority Data: 08/660,092 6 June 1996 (06.06.96) US 08/760,508 5 December 1996 (05.12.96) US (60) Parent Application or Grant (63) Related by Continuation US 08/660,092 (CIP) Filed on 6 July 1996 (06.07.96) (71) Applicant (for all designated States except US): LAJOLLA PHARMACEUTICAL COMPANY [US/US]; 6455 Nancy Ridge Drive, San Diego, CA 92121 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): VICTORIA, Edward, Jess [US/US]; 3503 Pershing Avenue, San Diego, CA 92104 (US); MARQUIS, David, Matthew [US/US]; 414 Cerro Street, Encinitas, CA 92904 (US); JONES, David, S. [US/US]; 11265 Florindo Road, San Diego, CA 92127</p>	<p>(US). YU. Lin [CN/US]; Apartment 228, 8933 Lombard Place, San Diego, CA 92122 (US). (74) Agents: PARK, Freddie, K. et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US). (81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>	
<p>(54) Title: aPL IMMUNOREACTIVE PEPTIDES, CONJUGATES THEREOF AND METHODS OF TREATMENT FOR aPL ANTIBODY-MEDIATED PATHOLOGIES (57) Abstract aPL analogs that (a) bind specifically to B cells to which an aPL epitope binds and are disclosed. Optimized analogs lack T cell epitope(s) are useful as conjugates for treating aPL antibody-mediated diseases. Conjugates comprising aPL analogs and nonimmunogenic valency platform molecules are provided as are novel nonimmunogenic valency platform molecules and linkers. Methods of preparing and identifying said analogs, methods of treatment using said analogs, methods and compositions for preparing conjugates of said analogs and diagnostic immunoassays for aPL antibodies are disclosed.</p>		